

NWCG NATIONAL FIRE EQUIPMENT SYSTEM CATALOG

PART ONE FIRE SUPPLIES AND EQUIPMENT

Hazmat Shipping Guide	
NFES Sub-Committee Members	2
National Interagency Support Caches	3
Catalog Introduction and NFES Number Assignments	14
Catalog Part 1: General Information	15
Supply Orders	17
Incident to Incident Transfers and Incident Returns	19
Receipt of Orders	20
Fire Loss Tolerance Reporting	21
Introducing New NFES Items	22
GSA and DLA Information	23
2008 NFES Item Additions, Changes, Deletions	24
Alphabetical Index	31
Numerical Index	45
Detailed Item Description	59
Forms	149
Signs	175
Kits	181
Communications	245

PART TWO PUBLICATIONS

Introduction	272
Reference Materials	278
Courses	291
Alphabetical Index	321
Numerical Index	324
Appendix	327
2009 Calendar	Back Cover

The National Wildfire Coordinating Group (NWCG) has developed this information for the guidance of its member agencies and is not responsible for the interpretation or use of this information by anyone except its member agencies. The use of trade, firm or corporation names in this publication is for the information and convenience of the reader and does not constitute an endorsement by the NWCG of any product or service to the exclusion of others that may be suitable.

This catalog is an annual publication jointly produced by the National Fire Equipment System (NFES) Committee and the NFES National Interagency Support Caches (NISC). Comments regarding this publication may be directed to any of the Cache Managers or members of the NFES Committee.

Additional copies of this publication (NFES #0362) may be ordered from the USDI BLM Great Basin Cache Supply Office, National Interagency Fire Center, 3833 S. Development Ave., Boise, ID 83705

NATIONAL FIRE EQUIPMENT SYSTEM (NFES) SUB-COMMITTEE MEMBERS

Paul Naman, Chairperson

USDI BLM NIFC
3833 S. Development Ave., Boise, ID 83705
Telephone: 208-387-5421 Fax: 208-387-5573
paul_naman@nifc.blm.gov

Doug Benton

USDA FS Northwest Interagency Fire Cache
1740 SE Ochoco Way, Redmond, OR 97756
Telephone: 541-504-7230 Fax: 541-504-7240
dbenton@fs.fed.us

Bill Hicks

GSA FAS 7FXF
819 Taylor Street, Fort Worth, TX 76102
Telephone: 817-574-2533 Fax: 817-978-2605
william.hicks@gsa.gov

Eve Ponder

USDA FS Northwest Interagency Fire Cache
1740 SE Ochoco Way, Redmond, OR 97756
Telephone: 541-504-7235 Fax: 541-504-7240
eponder@fs.fed.us

Steve Maurer

New Jersey Forest Fire Service
PO Box 404, Trenton, NJ 08625-0404
Telephone: 609-984-3851 Fax: 609-984-0378
smaurer@dep.state.nj.us

Sean Phelan

USDA FS Northern CA Interagency Fire Cache
6101 Airport Road, Redding, CA 96002
Telephone: 530-226-2856 Fax: 530-226-2854
sphelan@fs.fed.us

Kim Christensen

USDA FS NIFC
3833 S. Development Ave., Boise, ID 83705
Telephone: 208-387-5662 Fax: 208-387-5663
kchristensen@fs.fed.us

COMMITTEE ADVISORS:

Tory Henderson, FEWT Chairperson

USDA FS NIFC
3833 S. Development Ave., Boise ID 83705
Telephone: 208-387-5348 Fax: 208-387-5386
thenderson@fs.fed.us

Vince Welbaum

USDA FS NIFC
3833 S. Development Ave., Boise, ID 83705
Telephone: 208-387-5634 Fax: 208-387-5735
vwelbaum@fs.fed.gov

Leslie Anderson

USDA FS MTDC
5785 Hwy 10 West, Missoula, MT 59808
Telephone: 406-329-3900 Fax: 406-329-3719
landerson@fs.fed.us

Matthew Hoggard

Black Mountain IHC
USDA FS Humboldt-Toiyabe National Forest
1536 S. Carson St., Carson City, NV 89701
Telephone: 775-884-8107 Fax: 775-884-8199
mhoggard@fs.fed.us

Ralph Gonzales

USDA FS SDTDC
444 E. Bonita Ave., San Dimas, CA 91773
Telephone: 909-599-1267, x 212 Fax: 909-592-2309
rhgonzales@fs.fed.us

NFES NATIONAL INTERAGENCY SUPPORT CACHES

NORTHERN ROCKIES AREA INCIDENT SUPPORT CACHE (NRK)

Patrick T. Nooney, Cache Manager: 406-329-4932
pnooney@fs.fed.us

5765 West Broadway
Missoula, Montana 59808

General Information: 406-329-4949 / 4904 / 4975
Ordering: 406-329-4949 / 4975
Shipping Status: 406-329-4701
FAX: 406-329-4962



NFES NATIONAL INTERAGENCY SUPPORT CACHES

ROCKY MOUNTAIN AREA INCIDENT SUPPORT CACHE (RMK)

Kim Luft, Cache Manager: 303-202-4943

kluft@fs.fed.us

Matt Dean, Assistant Cache Manager: 303-202-4941

mdean01@fs.fed.us

**PO Box 25507 (mail only)
DFC, BLDG 810, Door N27
Lakewood, Colorado 80225**

General Information: 303-202-4940

FAX: 303-202-4965



Directions to the Rocky Mountain Fire Cache from Gate 1 of the Denver Federal Center:

From Sixth Avenue go South on Kipling Street to Gate 1

Go west on Main Avenue to Eighth Street

Turn left on Eighth Street to Bldg. 810

At the northeast corner of building, enter through door

N-27, Visitor Entrance.

NFES NATIONAL INTERAGENCY SUPPORT CACHES

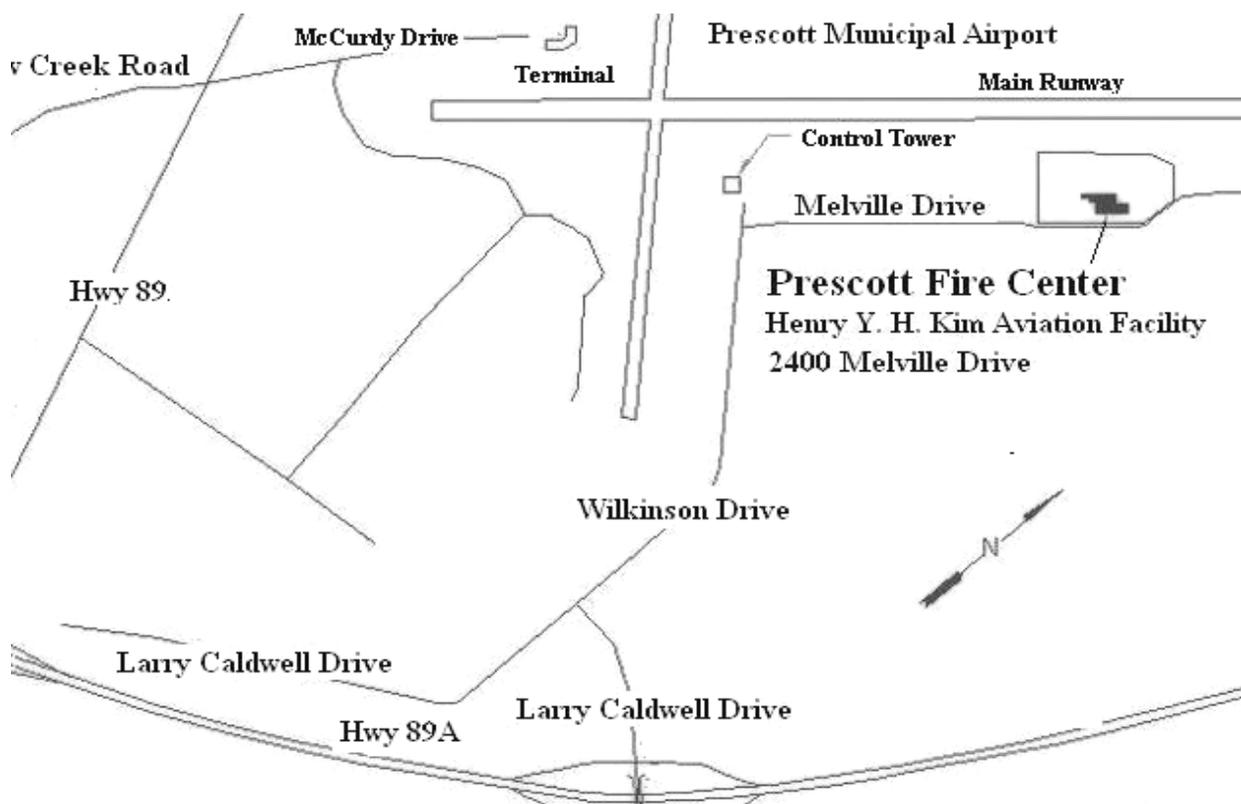
SOUTHWEST AREA PRESCOTT INCIDENT SUPPORT CACHE (PFK)

Debbie Maxam, Cache Manager: 928-777-5630
dmaxam@fs.fed.us

Vacant, Assistant Cache Manager: 928-777-5631

2400 Melville Drive
Prescott, Arizona 86301

General Information: 928-777-5631/5632
FAX: 928-777-5608



NFES NATIONAL INTERAGENCY SUPPORT CACHES

SOUTHWEST AREA SILVER CITY INCIDENT SUPPORT CACHE (SFK)

Billy Lawrence, Cache Manager: 575-534-1067
blawrence@fs.fed.us

Dottie Clark, Assistant Cache Manager: 575-534-0453
Cell 575-534-5257
dclark03@fs.fed.us

158 Airport Road
Hurley, New Mexico 88043

General Information: 575-538-5611
FAX: 575-388-5672



NFES NATIONAL INTERAGENCY SUPPORT CACHES

NORTHERN CALIFORNIA INCIDENT SUPPORT CACHE (NCK)

Mark Garland, Cache Manager: 530-226-2851

mrgarland@fs.fed.us

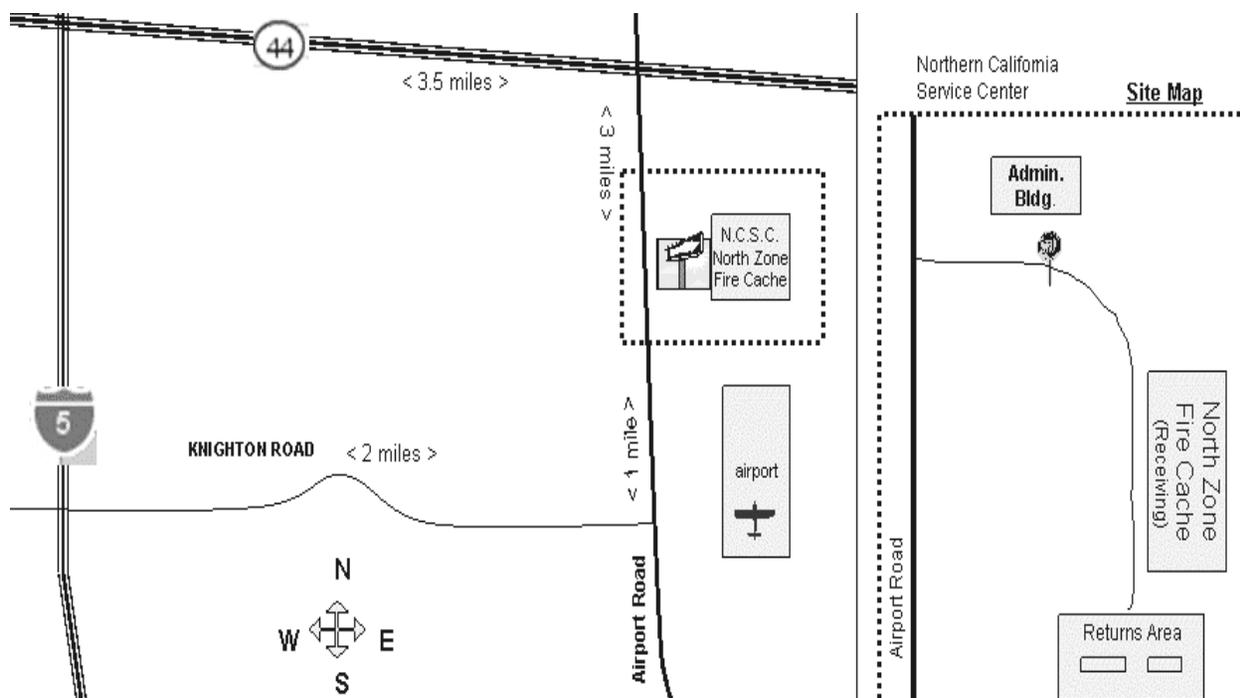
Sean Phelan, Asst. Cache Manager: 530-226-2856

sphelan@fs.fed.us

**6101 Airport Road
Redding, California 96002**

General Information: 530-226-2850

FAX: 530-226-2854



NFES NATIONAL INTERAGENCY SUPPORT CACHES

SOUTHERN CALIFORNIA INCIDENT SUPPORT CACHE (LSK)

Vacant, Cache Manager: 909-930-3206

**Logistics Support Center
1310 S. Cucamonga Avenue
Ontario, California 91761-4507**

**General Information: 909-930-3207
FAX: 909-947-6391**



NFES NATIONAL INTERAGENCY SUPPORT CACHES

GREAT BASIN AREA INCIDENT SUPPORT CACHE (GBK)

Rick Blanton, Cache Manager: 208-387-5547

rick_blanton@nifc.blm.gov

Emil Magallanes, Asst. Cache Manager: 208-387-5124

emil_magallanes@nifc.blm.gov

National Interagency Fire Center

3833 S. Development Avenue

Boise, Idaho 83705

Ordering Information: 208-387-5104

FAX: 208-387-5573 / 5548

www.blm.gov/nifc/st/en/prog/fire/gbk.html



NFES NATIONAL INTERAGENCY SUPPORT CACHES

NORTHWEST AREA INCIDENT SUPPORT CACHE (NWK)

Douglas Benton, Cache Manager: 541-504-7230

dbenton@fs.fed.us

Eve Ponder, Assistant Cache Manager: 541-504-7235

eponder@fs.fed.us

Redmond Air Center

1740 SE Ochoco Way

Redmond, Oregon 97756

General Information: 541-504-7234

FAX: 541-504-7240

Wenatchee Satellite Cache

Jim Trowbridge, Cache Manager

jhtrowbridge@fs.fed.us

General Information: 509-884-6593

FAX: 509-884-2710

LaGrande Satellite Cache

Howard Sievers, Cache Manager

hsievers@fs.fed.us

General Information: 541-962-8664

FAX: 541-962-8671

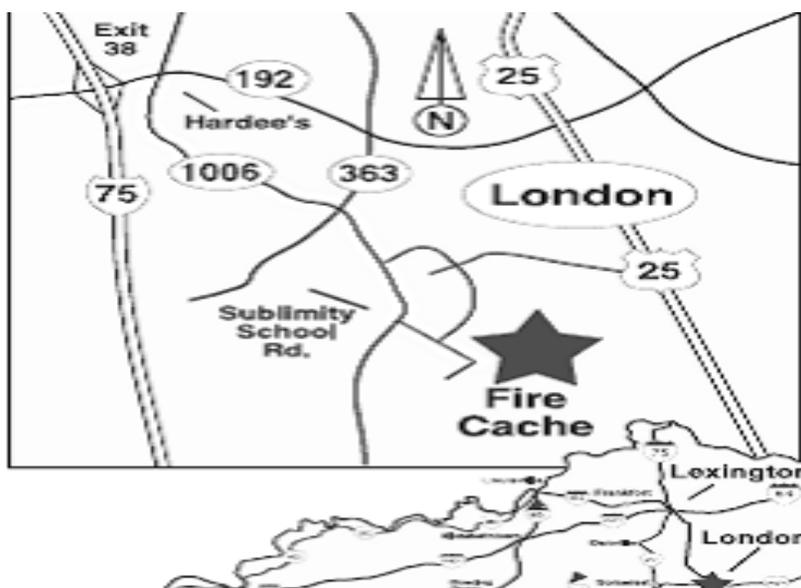


NFES NATIONAL INTERAGENCY SUPPORT CACHES

SOUTHERN AREA INCIDENT SUPPORT CACHE (SAK)

Ken Huff, Cache Manager: 606-878-7430/5817
khuff@fs.fed.us

Southern Interagency Fire Cache
788 Sublimity School Road
London, Kentucky 40744
General Information: 606-878-7430
FAX: 606-864-9559



London Fire Cache
Driving Directions
Southern Area Incident Support Cache
788 Sublimity School Road
London KY 40744 Phone: (606) 878-7430

From I-75, take Exit #38

East on HWY 192 (toward London) to HWY 1006 (Next to Hardees)

Turn right onto HWY 1006 (South) – follow to 4-Way Stop.

Continue thru 4-Way Stop (this crosses HWY 363) – go about 1/4 mile. You will pass a large church on the right and there is a car wash on the left.

Turn left at the first street in front of car wash onto Sublimity School Road. Continue to stop sign (you will pass elementary school on left).

Go thru stop sign – turn left into 3rd drive.

NFES NATIONAL INTERAGENCY SUPPORT CACHES

EASTERN AREA INCIDENT SUPPORT CACHE (NEK)

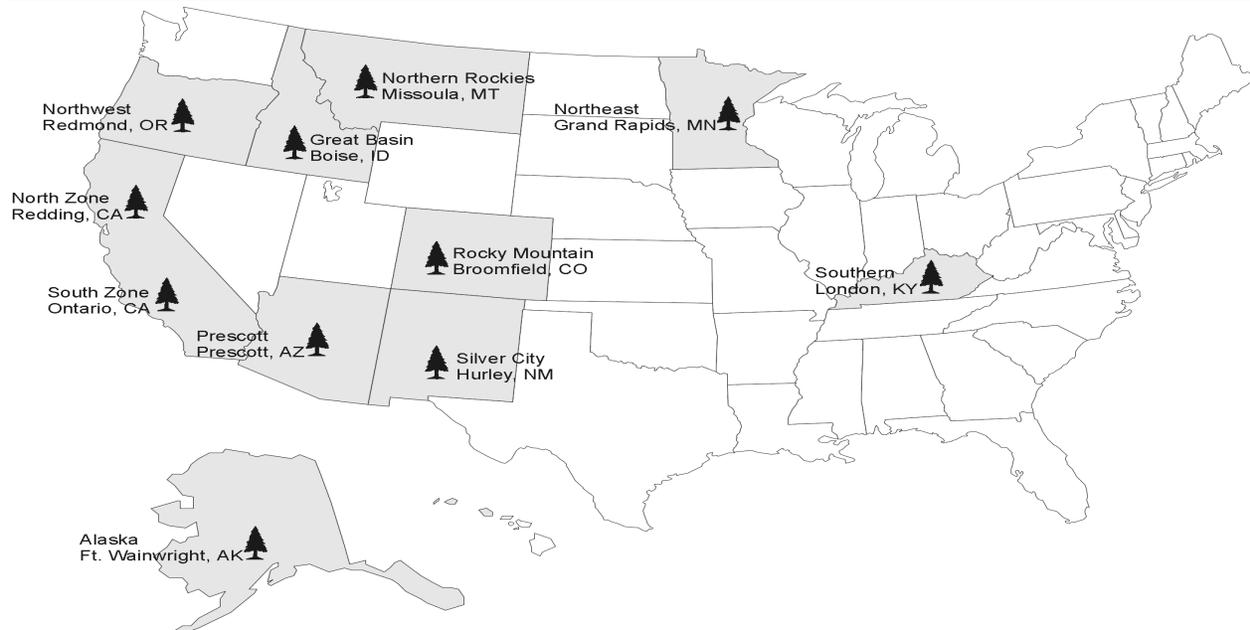
Bob Behrner, Cache Manager: 218-327-4578/4579
rbehrner@fs.fed.us

Northeast Interagency Fire Cache
402 11th Street SE
Grand Rapids, Minnesota 55744
General Information: 218-327-4579 / 4578
FAX: 218-327-4581

For Smokey Bear and Fire Prevention Materials:
www.symbols.gov
or
Call: 218-327-4282
FAX: 218-327-4604



NFES NATIONAL INTERAGENCY SUPPORT CACHES



INTRODUCTION

The National Fire Equipment System (NFES) is part of the National Wildfire Coordinating Group's (NWCG) Fire Equipment Working Team (FEWT). The NFES was created to provide standards for fire supplies and equipment as well as an organized method for ordering and stocking those items. This catalog, national in scope, reflects the items admitted to the NFES and the cache locations where they are stocked.

The NWCG NFES Catalog is produced in two parts.

- Part 1 pertains to incident fire supplies and equipment stocked by/ordered from the National Interagency Support Caches (NISC). Ordering from Part 1 is limited to federal and state agencies via the NISC located within their respective geographic area.
- Part 2 contains the NWCG publications and wildland fire training course materials, which are stocked at/ordered from the Great Basin Cache (GBK), located at the National Interagency Fire Center (NIFC) in Boise, ID. All parties may order from Part 2. **Please refer to the instructions in Part 2 when ordering publications and/or course materials, as they are different.**

All NISCs perform an inventory once a year. The time frame varies among the caches. During inventory, resource orders for active incidents are the only orders processed. Routine orders are not processed during inventory. Call the NISC within your geographic area for specific information.

NFES NUMBER ASSIGNMENTS

The NFES number assignments provide a standard system of identification. **Every item in this catalog is assigned an NFES number which must be included when placing an order.**

- **0001 - 6999: (except 4000-5999)** Nationally stocked incident support items. New items are agreed to and accepted by the NFES Committee.
- **4000 - 5999:** Communications and electronic equipment. This series is assigned by the National Incident Radio Support Cache (NIRSC) and the Remote Sensing/Fire Weather Support Unit (RSFWSU) at NIFC and monitored by the NFES Committee Chair.

CATALOG PART 1: GENERAL INFORMATION

FORMAT

For convenience Part 1 of the catalog has been separated into sections as follows:

- ALPHABETICAL INDEX
- NUMERICAL INDEX
- HAZMAT SHIPPING GUIDE
- DETAILED ITEM DESCRIPTION
- FORMS
- SIGNS
- KITS
- COMMUNICATIONS

ITEM CATEGORIZATION

Cache Item Categories (i.e., trackable, durable, consumable) are provided in the Detailed Item Description section for return (loss tolerance/use report) and accountability purposes.

- **TRACKABLE ITEMS:** Those items that a cache may track due to dollar value, sensitive property classification, limited availability, or other criteria set by each NISC.
 - Items that are considered trackable are usually engraved or tagged with a cache identification number. All trackable items are also considered durable.
 - These items must be returned to the issuing cache at the end of an incident. Appropriate documentation must be provided to the issuing cache for any losses.
 - Accountable property reports are included in the communications kits; use as necessary to report lost or damaged equipment.
 - **100% accountability is expected for all trackable items.**
- **DURABLE ITEMS:** Those cache items considered to have a useful life expectancy greater than one incident.
 - High percentages of return for these items are expected. These items are not specifically cache identified, tagged or engraved.
 - Acceptable loss tolerance use rates for the following durable goods have been established:
 - **10% loss tolerance use rate:** water handling accessories, helicopter accessories, tents, camp items such as heaters, lights, lanterns, tables, chairs.
 - **20% loss tolerance use rate:** hose, tools, backpack pumps, sleeping bags, pads, and cots.
 - **30% loss tolerance use rate:** personal protective equipment.
- **CONSUMABLE ITEMS:** Those items normally expected to be consumed during an incident.
 - Consumable items returned in serviceable condition will be credited to the incident.
 - Examples of consumable items are: batteries, plastic canteens, cubitainers, forms, MREs, fusees, hot food containers, petroleum products, and medical supplies.

ITEM LOCATION IDENTIFIERS

The location identifier (Loc:) shown with each item refers to the NISC(s) that stock the item. Please refer to these identifiers when placing an order. A reference list is provided below.

- NRK = Northern Rockies Area, Missoula, MT
- RMK = Rocky Mountain Area, Lakewood, CO
- PFK = Southwest Area, Prescott, AZ
- SFK = Southwest Area, Hurley, NM
- LSK = Southern California, Ontario, CA
- NCK = Northern California, Redding, CA
- CA = Both California Caches
- NWK = Northwest Area, Redmond, OR
- SAK = Southern Area, London, KY
- NEK = Eastern Area, Grand Rapids, MN
- GBK = Great Basin Area, Boise, ID
- AKK = Alaska Fire Service, Fairbanks, AK
- ALL CACHES

UNIT OF ISSUE

There is an assigned Unit of Issue (U/I) for every item which must be included when placing an order.

- Within the Detailed Item Description section of the catalog many items will reference a **Standard Pack (Std Pk)** amount, which is how the NISC receives and stores the item.
- **Incidents that request U/I quantities equal to the “Std Pk” amount decrease material handling time, which can improve order fill time.**
- U/I abbreviations are as follows:

BD	Bundle	CN	Can	LB	Pound	QT	Quart
BE	Bale	CS	Case	LG	Length	RO	Roll
BG	Bag	DZ	Dozen	PD	Pad	RM	Ream
BK	Book	EA	Each	PG	Package	SE	Set
BT	Bottle	GL	Gallon	PL	Pail	SH	Sheet
BX	Box	HK	Hank	PR	Pair	SL	Spool
CL	Coil	KT	Kit	PT	Pint	TU	Tube

NATIONAL STOCK NUMBERS

- A National Stock Number (NSN) is provided in the Detailed Items Description section for those items purchased from General Services Administration (GSA) or Defense Logistics Agency (DLA). A DLA NSN will also contain a three digit source location code, also known as the Routing Identifier Code. Use this number as a reference when placing routine supply orders directly with these agencies (see GSA and DLA Information).
 - GSA NSN example: 8970-00-149-1094/GSA
 - DLA NSN example: 7105-00-935-0422/DLA/S9I

ITEM PRICING

Prices are adjusted annually according to current costs and will not change unless a significant change in the cost of an item occurs during the year. **Abbreviations to be aware of when looking at the cost of an item are \$na (cost not available) and \$nc (no charge).**

SUPPLY ORDERS

EMERGENCY ORDERS

Emergency orders for incidents must be submitted on a resource order as defined under the national mobilization plan process. All orders submitted to a NISC must contain the following **required information**:

- Incident/Project Name **and** Order Number
- Office Reference Number (Accounting Data including Override Code)
- Billing (Administrative) Address
- Contact Name **and** Phone Number
- Incident Jurisdiction/Agency **and** Ordering Office
- Quantity **and** Unit of Issue (U/I) for each item
- NFES Number **and** Brief Description for each item
- Shipment Delivery Date/Time Needed
 - Realistic timeframes
 - ASAP will not be considered a priority
- Shipping Address
 - **Do not use P.O. Box**
- Shipping method
 - NISCs are able to ship by air or surface transportation
 - Priority Overnight must be requested specifically on the order
 - If there is not a physical address associated with the delivery point (e.g., ICP, Helibase, etc.), then driving directions and/or a map may be required

Do not hesitate to ask for shipping recommendations from the NISC to insure orders will be delivered on time to meet incident objectives. The servicing NISC will convey shipping information to the ordering office that will include the incident order number, the (S) numbers for the items shipped, items canceled, substitutions, the estimated or actual time of delivery and the shipping method used. If items are shipped to a destination for pick up by a designated person (i.e., "Hold & Call @ xxx airport"), that person must be provided with enough information to know what to look for, have the assigned tracking numbers and most importantly where to pick up the items.

Emergency resource orders for an active incident are processed as "**Fill or Kill**", meaning that if an item is not available or can not be substituted, that item and the request number will be canceled. Items will not be back ordered on emergency supply resource orders.

PRE-SUPPRESSION ORDERS

- Pre-suppression (routine) fire supply orders should be directed to the source of supply (i.e., GSA or private vendors), **not** the NISC.
 - There are a few supplies considered *sole-source items* that may be ordered by agencies in very limited circumstances.
 - Contact the NISC in your geographic area for specific information regarding pre-suppression ordering procedures/policies, sole-source availability and/or private vendors.
- Each pre-suppression order creates an account for which the ordering office is responsible for payment. Submission of any order constitutes an agreement that ordering offices will make payment for items ordered as well as the associated shipping charges.
- Items returned by the ordering offices will receive credit for the serviceable items only. Many items can be refurbished to serviceable condition and credit will be given when such work has been completed. Refurbishment costs will be charged to the original ordering office.

INCIDENT REPLACEMENT ORDERS

THESE ORDERS ARE TO BE SUBMITTED WITHIN 30 DAYS OF CONTROL OF THE INCIDENT.

TYPE 1 and TYPE 2 INCIDENTS:

- The incident Supply Unit Leader (SPUL) is responsible for handling the incident replacement requisitions when a TYPE 1 or TYPE 2 incident management team is assigned. The SPUL approves replacement requests based on Engine Accountability sheets or other fire equipment inventory documents approved by the requesting agency's home unit.
 - If equipment and supplies are available at the incident for replacement, the request is filled by the incident Supply Unit.
 - If equipment and supplies are unavailable at the incident, **AND** the requesting resource is not being immediately demobilized, the Supply Unit will submit a resource order through the appropriate channels to the servicing NISC. The order will be shipped to the incident and replacement will take place at the incident Supply Unit.
 - If equipment and supplies are unavailable at the incident for replacement, **AND** the requesting resource is being demobilized, an OF-315 Incident Replacement Requisition (NFES 1300) is to be completed by the SPUL and forwarded to the servicing NISC.
- Authorized approvals and signatures **MUST** be included on the requisition. For TYPE 1 and 2 incidents, these approvals are limited to the incident Supply Unit Leader, Logistics Section Chief, Support Branch Director, Incident Commander or Agency Administrator/ Representative.

TYPE 3 and TYPE 4 INCIDENTS:

- The host Agency Administrator/Representative, i.e. the Fire Management Officer, will be responsible for handling the incident replacement requisitions for these types of incidents. The agency representative approves replacement requests based on Engine Accountability sheets or other fire equipment inventory documents.
 - If equipment and supplies are available at the incident for replacement, the request is filled by the incident host unit.
 - If equipment and supplies are unavailable at the incident for replacement, **AND** the requesting resource is not being immediately demobilized, the host agency will submit a resource order through the appropriate channels to the servicing NISC. The order will be shipped to the incident and replacement will take place at the host agency.
 - If equipment and supplies are unavailable at the incident, **AND** the requesting resource is being demobilized, an OF-315 Incident Replacement Requisition (NFES 1300) will be completed by the host agency and forwarded to the servicing NISC.
- Authorized approvals and signatures **MUST** be included on the requisition. For TYPE 3 and 4 Incidents, the approvals are limited to the Agency Administrator/Representative i.e., the Fire Management Officer.
- The incident's servicing NISC may forward the requisitions to the requesting unit's NISC for processing. If a NISC is unable to fill a request, they will then forward it on to a NISC that can.

INCIDENT TO INCIDENT TRANSFERS

- Transfer of supplies and equipment between incidents is not encouraged, due to the increased possibility of accountability errors.
- In instances when it is determined to be economically feasible and operationally advantageous, the SPUL from the incident that is releasing the items must document the following on the *Interagency Incident Waybill* (NFES 1472) and send to the servicing NISC to maintain proper accountability recording:
 - NFES Number
 - Quantity
 - Unit of Issue
 - Item Description
 - Property number, if item is trackable
 - Receiving incident name, number and resource order request number
- **Hazardous material shipping** regulations are to be strictly enforced when transferring hazmat items (see Hazmat Shipping Guide section).

RECEIPT OF ORDERS

- All equipment and supplies shipped from NISCs are identified on their cache issue forms. A copy of this form is included in the shipment as a packing list.
- Upon delivery, all equipment and supplies become the responsibility of the ordering entity. All applicable Agency Property Regulations as well as all Federal Property Management Regulations will apply upon receipt of said items.
- Trackable items will be marked with the issuing NISC's identification. Equipment with small engines will also be marked with the proper gas to oil ratio. Users are required to adhere to this ratio.

Receipt of Defective Items

- Call the servicing NISC.
- On an incident:
 - Tag any broken or defective item with the problem if known.
 - Take the item to the supply area and let the Supply Unit Leader and/or Ordering Manager follow up by notifying the servicing NISC.
 - A similar process should be followed for items obtained from a local or district cache and followed through by the procurement or operations staff.
- The NFES Committee issues NFES Memos regarding fire equipment defects, remedies, and other issues. The memos are posted at http://www.nifc.gov/nicc/logistics/cache_memo.htm

NFES Evaluations

- Occasionally equipment items will be shipped with an evaluation. If you should receive this evaluation, please take the time to respond. The NISCs are continually updating items per field requests and evaluations.
- The NFES committee and the caches are open to suggestions, complaints and comments regarding the NFES items and the overall effectiveness of the National Fire Equipment System. Do not hesitate to send comments or suggestions to any of the NISC managers or NFES committee members.

INCIDENT RETURNS

- Returns to the issuing NISC should be made in the most expeditious manner available based upon cost.
- **All items must be identified with the returning agency/office, incident name and number to insure credit is applied appropriately per agency regulations.** Use of the *Interagency Incident Waybill* (NFES 1472) is strongly encouraged for this purpose.
- **Consumable items** returned in unused condition are credited to the incident, however, **used consumables should not be returned.**
- **Durable items** in usable condition or economically repairable should be returned.
- **Trackable items** must be returned to the issuing cache at the end of incident use, or documentation must be provided to the issuing cache as to why it was not returned.
 - **Repair tags should be affixed to all power equipment.** If the equipment is not operating in a satisfactory manner, please make note of the possible cause of the problem on the tag.

- **Communications equipment** must be returned to the National Incident Radio Support Cache (NIRSC) at the National Interagency Fire Center as soon as an incident or the requirement has ended.
 - Before sealing the kit boxes assure the contents will not be damaged in transit. Damages will be charged to the incident.
 - Accountable property reports are included in the communications kits and should be used as necessary to report lost or damaged equipment.
- **First aid kits and stations:** NFES numbers 1617, 1727, 1728, 1760, and 1835 are maintained for all NISCs by the Northern Rockies Cache (NRK) in Missoula, MT.
 - Each kit will have the required servicing date indicated on the container.
 - After an incident, return the kits to the issuing NISC.
 - Medical waste must be transported to a licensed facility for proper disposal. **Do not return medical waste to the NISC.**
- **Hazardous material shipping** regulations are to be strictly enforced when returning hazmat items (see Hazmat Shipping Guide section).
- **Recycling** of plastics, cardboard, etc., is strongly encouraged and is the responsibility of the incident or host agency.

FIRE LOSS TOLERANCE REPORTING

- In order to assist managers in keeping incident-related equipment and supply loss to a minimum, Type 1 and 2 incident management teams are required to maintain accountability for these items.
 - Guidelines and procedures for this accountability are provided in the Interagency Incident Business Management Handbook, Chapter 30.
- To facilitate these procedures and provide oversight, a Fire Loss Tolerance Report is provided pertaining to NFES supply item usage on all Type 1 and 2 incidents, which has been accepted by the NWCG for all wildland fire agencies.
 - These reports are compiled by the NISC providing primary support to the particular incident.
 - ***Reports are forwarded to the responsible Agency Administrator within 60 days of the close of the incident.***
 - The responsible Agency Administrator reviews the report and recommends appropriate follow-up action if losses are excessive. Those actions and recommendations are documented and filed with the final incident records.
- The loss tolerance use rate is defined as all property and supplies lost, damaged or consumed on an incident.
 - This rate is reported as a percentage of the total dollar amount for items issued compared to the amount for items returned.
 - The reasonable anticipated fire loss/use rate is 15 percent for trackable and durable items only. Consumable items are not included in this total.

INTRODUCING NEW NFES ITEMS

Incident management and wildland fire suppression is an evolving technology. Field personnel who would like to suggest new items for the NFES should convey those suggestions to your area NISC manager. The NISC manager will then determine suggestion acceptance based on past and anticipated need, space and storage considerations as well as national applicability.

- **To initiate consideration of a new item into the NFES please write, fax or e-mail the following information to your servicing NISC Manager:**
 - Name and description of item.
 - Use and/or application of the item on an incident.
 - Have you used the item?
 - How did the item perform?
 - Is it better than another item that is currently used?
 - Recommended unit of issue.
 - Recommended standard pack.
 - Estimated cost.
 - Is the proposed item cheaper than something currently used?
 - Is there a dollar benefit in the value of the item and work performance?
 - Is there a safety consideration that makes the proposed item helpful?
 - What is the supply source for the proposed item?
 - Are there many vendors or just one?
 - Name, address and telephone number of known vendor(s).
 - Is the item considered a hazardous material?
 - Add any additional information that would enhance consideration of this item.
- Provide your name, address, phone/e-mail in case of further questions and also to advise you of the acceptance or non-acceptance of your suggestion.

GSA and DLA ORDERING INFORMATION

GSA and DLA provide intergovernmental wholesale supply support.

GSA

- GSA produces an annual Wildland Fire Equipment catalog that is a supplement to the GSA Global Supply Catalog and is issued as a convenience to federal, state and municipal agencies as well as to other non-federal organizations operating under written cooperative agreements with the U.S. Forest Service. The catalog contains descriptions and ordering data for wildland fire protection equipment and supplies managed by GSA.
 - Order or view the catalog online at www.gsa.gov/cmls. Under the “My Account” tab, select Wildland Fire Equipment Catalog as a publication to have automatically shipped. Additional copies of the Wildland Fire Equipment Catalog can be ordered year round.
- GSA Federal Acquisition Service (FAS) provides multiple methods of placing orders including online, facsimile and telephone.
 - Place online orders at www.GSAGlobalSupply.gsa.gov or www.GSAAdvantage.gov.
 - Fax orders to 817-574-2551 / 2552
 - Place telephone orders at 1-800-525-8027 (select option 3)
 - For additional information, please consult the current GSA Wildland Fire Equipment catalog.

DLA

- Requisitions for items managed by DLA should be placed using the toll free number for the DLA Call Center at 1-877-352-2255.
- Inquiries regarding DLA supplied items can be made by calling the Call Center number above or by sending an e-mail to dsccllcenter@dla.mil.
 - The Call Center operates 24 hours a day and is the centralized point of contact for DLA customers.
 - The DLA Customer Assistance Representatives will be available to resolve any problems, questions or concerns regarding DLA support.
 - Customer Assistance Representatives can also be contacted on the DLA web site at www.supply.dla.mil (click on About DLA, then Customer Handbook, then DLA Customer Assistance Representatives). Information is listed by state so please contact the Customer Service Representative nearest you.

2009 NFES CATALOG ITEM ADDITIONS, CHANGES AND DELETIONS

NFES CATALOG PART ONE:

NEW NFES ASSIGNMENTS:

NFES 0383	Axe, 3-5 lb, 26" straight handle
NFES 0058	Bag, sleeping, cold weather, X-long
NFES 0014	Bar, wrecking, 5/8" diameter, 18"
NFES 1005	Can, garbage, plastic, 32 gallon,
NFES 0808	Carton, fiberboard, 16" x 14" x 12", double wall w/ hand holds
NFES 0823	Carton, fiberboard, 15" x 15" x 10"
NFES 1482	Form, CPS, Contractor Performance Report Evaluation
NFES 0575	Pliers, 7" w/ cutter
NFES 1005	Sheath, axe, 26" straight handle
NFES 3075	Shell, helmet, XLSPH5, Kevlar, D8050-1
NFES 0573	Square, 6" Quick
NFES 0972	Surge Protector, power strip
NFES 1014	Tape, measuring, 25'
NFES 0884	Wedge, plastic, felling, 8" textured / smooth
NFES 8606	Pump Kit, lightweight, 4 cycle

NEW ITEMS AVAILABLE THROUGH GSA ONLY

Split leather gloves w/ 2" Kevlar wristlet (Pg 89)

Brushed pigskin gloves w/ keystone thumb (Pg 89)

Wool glove liners (Pg 87)

CHANGES:

NFES 0241 Drip torch NSN changed to 4210-01-558-9951.

NFES 0299 and 0687 Flare descriptions and standard packs updated.

NFES 0513 Carton dimensions changed to 36 1/2" x 24 1/2" x 17".

NFES 4404 King Radio changed to UHF / EPH.

NFES 0148 Pump description changed to high pressure.

NFES 0516 Wedge added rifled to description.

NFES 0619 Tape NSN changed to 5970-01-463-5494.

NFES 1064 Form number changed to AMD-67 / FS570017

NFES 1528 Form ICS Qualification Card PMS 310-3 added to Forms Section

NFES 1272 Form Training Course Completion Certificate PMS 921-1 added to Forms Section

DELETIONS:

NFES 0696 Light Disc, Green
NFES 0698 Light Disc, Red
NFES 0699 Light Disc, Yellow
NFES 0701 Light Disc, Blue
NFES 1333 Form, ICS-209
NFES 2180 Form, 284B
NFES 2600 Form, 284A

NFES CATALOG PART TWO:

CHANGES:

NFES 0362 Catalog: Part 1: Fire Supplies & Equipment and Part 2: Publications (2009)
NFES 0406 Form AMD-23 (2/07) or OAS-23 (9/91) Aircraft Use Report
NFES 0968 National Incident Radio Support Cache User's Guide (2009)
NFES 1064 Form AMD-67/FS 5700-17 (10/06) or OAS 67/FS 5700-17 (11/03)
Interagency Helicopter Load Calculation
NFES 1132 Card AMD-84 (10/06) or OAS-84 (6/06) Helicopter Passenger Briefing
NFES 1373 Interagency Aviation User Pocket Guide (2008)
NFES 1399 Card AMD-103/FS 5700-16 (10/06) or OAS-103/FS 5700-16 (4/97)
Five Steps to a Safe Flight
NFES 1414 PMS 310-1 NIIMS Wildland Fire Qualification System Guide (2008)
NFES 1844 Interagency Single Engine Airtanker Operations Guide (2009)
NFES 2056 Form 1276-F Interagency Mobile Shower Facilities Performance Eval. (7/07)
NFES 2092 National Interagency Mobilization Guide (2009)
NFES 2147 DOT Chart 13 Hazardous Materials Marking, Labeling, Placarding
NFES 2278 Smokey Bear Pocket Calendar (2009)
NFES 2512 Interagency Aviation Technical Assistance Directory (2009)
NFES 2537 Interagency Airtanker Base Directory (2009)
NFES 2724 Interagency Standards for Fire and Fire Aviation Operations (2009)
NFES 2743 Form 1276-G I/A Mobile Shower Facilities Performance Eval. Cont. (7/07)

NEW NFES ASSIGNMENTS:

NFES 1483 S-358 Instructor Guide (2008)
NFES 1484 S-358 CD-ROM Course Materials (2008)
NFES 1485 S-358 DVD "Communication Coordinator—the CDO (2008)
NFES 1486 S-358 Student Workbook (2008)

NFES 2290 S-357 Instructor Guide (2008)

NFES 2291 S-357 CD-ROM Course Materials (2008)

NFES 2292 S-357 Student Workbook (2008)

NFES 2297 S-357 Field Guide (2008)

NFES 2543 J-342 Document Unit Leader (2008)

NFES 2544 Interagency Aerial Supervision Guide (2008)

NFES 2898 S-134 DVD (2003)

NFES 2916 PMS 467 DVD, Minimum Impact Suppression Tactics (2003)

NFES 2927 S-481 Instructor Guide (2008)

NFES 2928 S-481 CD-ROM Course Materials (2008)

NFES 2929 S-481 Student Workbook (2008)

NFES 2983 L-180 Instructor Guide (2008)

NFES 2984 L-180 CD-ROM Course Materials (2008)

NFES 2985 L-180 DVD (2008)

NFES 2986 L-180 (2008)

NFES 2987 S-349 Instructor Guide (2008)

NFES 2988 S-349 CD-ROM Course Materials (2008)

NFES 2989 S-349 Student Workbook (2008)

NFES 2991 L-280 Instructor Guide (2008)

NFES 2992 L-280 CD-ROM Course Materials (2008)

NFES 2993 L-280 DVD (2008)

NFES 2994 L-280 Student Workbook (2008)

NFES 2995 S-490 Instructor Guide (2008)

NFES 2996 S-490 CD-ROM Course Materials (2008)

NFES 2997 S-490 Student Workbook (2008)

NFES 2998 S-490 Student CD-ROM (2008)

NFES 2999 S-490 DVD "Extreme Fire Behavior, Vortices and Wildland Fire" (2008)

DELETIONS:

NFES 1100 S-358 CD-ROM Course Materials (2001)

NFES 1101 S-358 VHS video (2001)

NFES 1174 PMS 425-1 Fire Weather, AG Handbook 360 (1970)

NFES 1211 Wires, Winds, Weights VHS video (1987)

NFES 1216 Lessons Learned in Forest Service Aviation, Part I VHS video (1998)

NFES 1221 Bull Fire Entrapment VHS video (1996)

NFES 1301 PMS 443 Class A Foam Instructor Guide (1995)

NFES 1302	PMS 443 Student Note Taking Guide (1995)
NFES 1303	PMS 443 Slide Set (1995)
NFES 1304	PMS 443 Tape 1 VHS video (1995)
NFES 1305	PMS 443 Tape 2 VHS video (1995)
NFES 1333	ICS-209 Incident Status Summary (6/03)
NFES 1356	PMS 926 Agency Administrator's Guide to Critical Incident Management
NFES 1393	Interagency Air Tactical Group Supervisor's Guide (2004)
NFES 1512	S-216 Instructor Guide (2002)
NFES 1513	S-216 Student Workbook (2002)
NFES 1515	PMS 413-1 Planning for Initial Attack (1998)
NFES 1519	PMS 310-5 ICS Experience Record form (1994)
NFES 1540	S-300 Instructor Guide (1997)
NFES 1541	S-300 Trainee Workbook (1997)
NFES 1564	S-300 Dutch Flat Fire VHS video (1997)
NFES 1565	S-216 CD-ROM Course Materials (2002)
NFES 1573	PMS 436-1 How to Predict the Spread and Intensity of Forest and Range Fires, GTR INT-143 (1983)
NFES 1574	PMS 435-1 Aids to Determining Fuel Models for Estimating Fire Behavior, GTR INT-122 (1982).
NFES 1591	PMS 903-1 Radio Frequency Sharing Agreement (12/84)
NFES 1845	PMS 446-3 Foam vs Fire Aerial Applications (1995)
NFES 1909	J-342 Documentation Unit Leader (1999)
NFES 1915	S-347 Instructor Guide (1999)
NFES 1916	S-347 Student Workbook (1999)
NFES 1917	S-348 Instructor Guide (1999)
NFES 1918	S-348 Student Workbook (1999)
NFES 1919	S-354 Instructor Guide (1999)
NFES 1920	S-354 Student Workbook (1999)
NFES 1925	S-357 Instructor Guide (2000)
NFES 1926	S-357 Student Workbook (2000)
NFES 1927	S-358 Instructor Guide (2001)
NFES 1928	S-358 Student Workbook (2001)
NFES 1947	S-378 Instructor Guide (2003)
NFES 1948	S-378 Student Workbook (2003)
NFES 2002	Professional Helicopter Pilot Supporting Wildland Fire Suppression, Part I VHS video (1993)

NFES 2028	S-234 Instructor Guide (1999)
NFES 2029	S-234 Student Workbook (1999)
NFES 2041	S-347 CD-ROM Course Visuals (1999)
NFES 2050	S-354 CD-ROM Course Visuals (1999)
NFES 2073	PMS 445-1 Introduction to Class A Foam VHS video (1989)
NFES 2090	Helosafe VHS video (1988)
NFES 2108	A Guide to Prescribed Fire in Southern Forests (1989)
NFES 2142	PMS 814 Measuring Moisture Content in Living Chaparral: a field user's manual (1979)
NFES 2161	PMS 445-5 Compressed Air Foam Systems VHS video (1993)
NFES 2168	Call-When-Needed Helicopter Contracts: Medium and Heavylift National Services
NFES 2180	Form 284B Contracted Commissary Issue Record (3/00)
NFES 2198	S-212 VHS video (2004)
NFES 2219	PMS 445-2 The Properties of Foam VHS video (1993)
NFES 2228	PMS 406 Wenatchee Heights Burnover 8/2/90 VHS video(1992)
NFES 2237	PMS 430-5 Introduction to Spark Arresters VHS video (1992)
NFES 2241	PMS 427 Instructor Guide (1992)
NFES 2242	PMS 427 Student Workbook (1992)
NFES 2244	PMS 427 VHS video (1992)
NFES 2245	PMS 445-3 Class A Foam Proportioners VHS video (1992)
NFES 2246	PMS 446-1 Foam vs Fire Class A Foam for Wildland Fires (1993)
NFES 2270	PMS 446-2 Foam vs Fire Primer (1992)
NFES 2272	PMS 445-4 Aspirating Nozzles VHS video (1992)
NFES 2274	S-110 VHS video (2003)
NFES 2279	S-490 Instructor Guide (1993)
NFES 2280	S-490 CD-ROM course visuals (1993)
NFES 2281	S-490 Slide Set (1993)
NFES 2282	S-490 Handout Set (1993)
NFES 2283	S-490 Pre-course Study Material (1993)
NFES 2284	S-490 Pre-course Test (1993)
NFES 2285	S-490 Student Reference Text (1993)
NFES 2286	S-490 Proficiency Checks and Final Examination (1993)
NFES 2287	Binder, black, 4"
NFES 2404	PMS 445-6 Tactical Applications with Class A Foam VHS video (1994)
NFES 2421	RX-300 Instructor Guide (2000)
NFES 2423	RX-300 Student Pre-study (2000)

NFES 2424 RX-300 Student Text (2000)

NFES 2425 RX-300 CD-ROM Course Materials (2000)

NFES 2434 PMS 908-4 Scenario and Incident Action Plan Catalog (1994)

NFES 2436 Evolution of Policy: From Fire Control to Fire Mgmt VHS video (1997)

NFES 2487 Pro Helicopter Pilot Supporting Wildland Fire Supp, Part II VHS video (1995)

NFES 2502 RX-340 Instructor Guide (1995)

NFES 2503 RX-340 Slide Set (1995)

NFES 2504 RX-340 Viewgraph Master Set (1995)

NFES 2505 RX-340 Student Pre-course (1995)

NFES 2506 RX-340 Student Text (1995)

NFES 2507 RX-340 Handout Set (1995)

NFES 2539 P-301 Instructor Guide ((1997)

NFES 2540 P-301 Student Workbook (1997)

NFES 2541 P-301 Slide Set (1997)

NFES 2556 S-378 CD-ROM Course Materials (2003)

NFES 2568 S-378 video, Initial Attack Fire Exercise (1999)

NFES 2569 S-378 video, Large Fire Exercise (1999)

NFES 2574 Personal Protective Equipment VHS video (1998)

NFES 2576 Lessons Learned in Forest Service Aviation, Part II VHS video (1999)

NFES 2578 S-234 CD ROM Course Visuals (1999)

NFES 2585 S-357 CD-ROM Course Materials (2000)

NFES 2586 S-357 Field Guide (2000)

NFES 2590 S-348 CD-ROM Course Visuals (1999)

NFES 2599 Helicopter Bucket Operations VHS video (1997)

NFES 2600 Form 284A Natl Mobile Commissary Services Payment Invoice (6/99)

NFES 2633 PMS 405-2 SAFENET form, (2/02)

NFES 2650 L-180 Instructor Guide (2000)

NFES 2651 L-180 Student Workbook (2000)

NFES 2652 L-180 VHS video (2000)

NFES 2664 Lessons Learned in Forest Service Aviation, Part III VHS video (2000)

NFES 2677 S-216 Performance Evaluation Booklet (2002)

NFES 2686 PMS 468 Intro to Tactical Decision Games and Sand Table Exercises VHS video (2004)

NFES 2691 S-491 Instructor Guide (2003)

NFES 2692 S-491 Student Workbook (2003)

NFES 2693 S-491 Student Prequalifying Work (2003)

NFES 2694	S-491 CD-ROM Course Materials (2003)
NFES 2708	PMS 467 Minimum Impact Suppression Tactics VHS video (2003)
NFES 2720	L-280 Instructor Guide (2003)
NFES 2721	L-280 Student Workbook (2003)
NFES 2722	L-280 CD-ROM Course Materials (2003)
NFES 2723	L-280 VHS video (2003)
NFES 2727	S-134 VHS video (2003)
NFES 2732	S-130 Risk Management VHS video (2003)
NFES 2814	S-230 VHS video (2004)
NFES 2898	S-346 Reference Guide